(19) JAPANESE GOVERNMENT PATENT OFFICE

(11) Publication number: **06181785 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **04343675**

(51) Intl. Cl.: **C12P 7/62** A61K 35/78 C12N 5/04

(22) Application date: **24.12.92**

(30) Priority:

(43) Date of application publication: **05.07.94**

(84) Designated contracting states:

(71) Applicant: **MITSUI PETROCHEM IND LTD**

(72) Inventor: **TABATA HOMARE**
YUKIMUNE TAKAHITO

(74) Representative:

(54) PRODUCTION OF TAXANE-TYPE DITERPENE

(57) Abstract:

PURPOSE: To efficiently obtain the subject compound useful as a medicine for ovary cancer, breast cancer and lung cancer, by adding coconut milk to a medium containing the cultured cells from a plant capable of producing a taxane-type diterpene to conduct a tissue culture and by taking the aimed product from the cultured product.

CONSTITUTION: A solid medium spiked with naphthaleneacetic acid so as to be 10-5M in its concentration is inoculated with part of the stem of a plant capable of producing a taxane-type terpene (e.g. Taxus cuspidata Sieb.) to conduct static culture in a dark place at 25°C to produce cultured cells or cultured tissue. The resultant medium containing such cells or tissue is incorporated with coconut milk to perform a tissue culture through shaking culture at 25'C for 14 days. Then, the resultant cultured cells or cultured tissue is taken by filtration and lyophilized and then put to extraction with e.g. methanol; the result ng liquid extract is then conc trated and subjected to high-perfo mance liquid chromatography to carry ou purification, thus affording

the objective taxane-type diterpene hopeful of a medicine for ovary cancer, breast cancer and lung cancer etc. (e.g. taxol, baccatin III, cephalomannine, 10-deacetyl baccatin III).

The Delphion Integrated View

Title: **JP6181785A2: PRODUCTION OF TAXANE-TYPE DITERPENE**

Country: **JP** Japan
Kind: **A**

Inventor: **TABATA HOMARE;**
YUKIMUNE TAKAHITO;

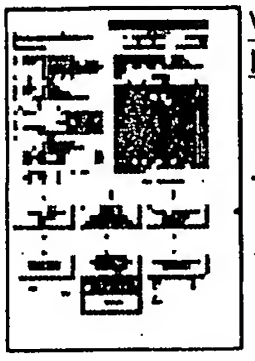
Assignee: **MITSUI PETROCHEM IND LTD**
News, Profiles, Stocks and More about this company

Published / Filed: **July 5, 1994** / Dec. 24, 1992

Application Number: **JP1992000343675**

IPC Code: **C12P 7/62;** A61K 35/78; C12N 5/04;

Priority Number: Dec. 24, 1992 **JP1992000343675**



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Family:

PDF	Publication	Pub. Date	Filed	Title
	JP6181785A2	July 5, 1994	Dec. 24, 1992	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP3162217B2	April 25, 2001	Dec. 24, 1992	

2 family members shown above

Other Abstract Info: DERABS C94-251701 DERC 94-251701 JAPABS 180523C000110 JAP180523C000110